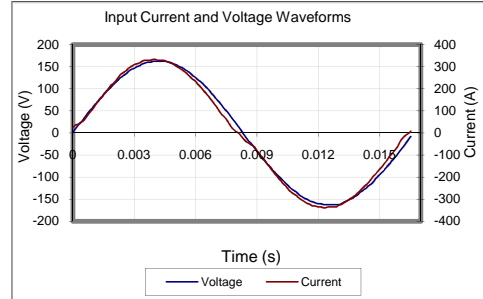


80 PLUS Verification and Testing Report

| | |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 92.62% |
| AVERAGE EFFICIENCY : | 91.19% |
| 80 PLUS COMPLIANT: | YES |



| | |
|---------------|---------------------------|
| Ecos ID # | 2391 |
| Manufacturer | HUNTKEY ELECTRIC CO., LTD |
| Model Number | X7 500 |
| Serial Number | N/A |
| Year | 2010 |
| Type | ATX12V |
| Test Date | 12/23/2010 |

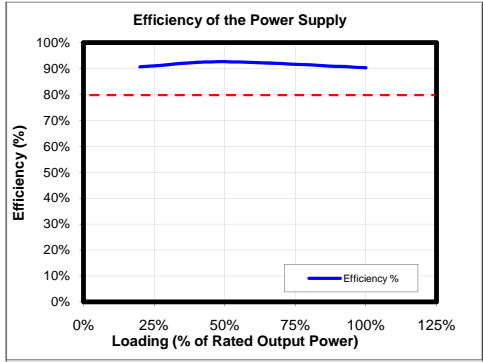
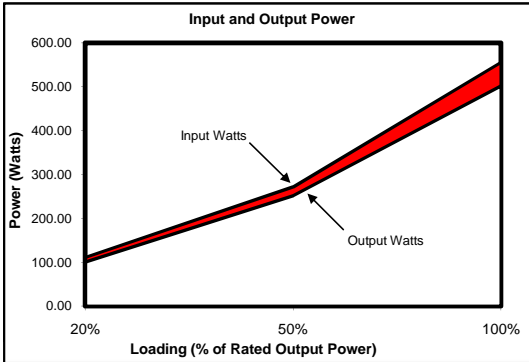


| Rated Specifications | Value | Units |
|---------------------------|------------|--------------|
| Input Voltage | 100-240 | Volts |
| Input Current | 10-5 | Amps |
| Input Frequency | 50/60 | Hz |
| Rated Output Power | 500 | Watts |

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 5.33%, 50% Load)

| I _{RMS} A | PF | I _{THD} (%) | Load (%) | Fraction of Load | Input Watts | DC Terminal Voltage (V)/ DC Load Current (A) | | | | Output Watts | Efficiency % | |
|-----------------------|------|----------------------|----------|------------------|-------------|--|----------|---------|---------|--------------|--------------|--------|
| | | | | | | 12V (cumulative of 12V1, 12V2, etc.) | -12V | 3.3V | 5V | | | 5Vsb |
| 0.98 | 0.98 | 6.33% | 20% | Light | 111.42 | 12.1/6.9 | 11.7/0 | 3.4/1.8 | 5.1/1.8 | 5/0.4 | 100.98 | 90.63% |
| 2.38 | 1.00 | 5.33% | 50% | Typical | 272.10 | 12.1/17.2 | 11.9/0.1 | 3.4/4.5 | 5.1/4.5 | 5/1 | 252.03 | 92.62% |
| 4.85 | 1.00 | 5.92% | 100% | Full | 556.20 | 12/34.4 | 12.2/0.3 | 3.3/9 | 5/9 | 4.9/2.1 | 502.29 | 90.31% |



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

